

[Type of Document] Abstract

[Abstract]

[Object] To provide a radio communication apparatus that can select transmission systems and transmission speeds corresponding to
5 respective channels in performing mutual communication using plural channels

[Means] Reception channel processing units 110 to 130 generate local channel reception information based on reception states of respective input reception signals, and a channel information processing unit 30
10 generates local feedback information based on the local channel reception information generated by the reception channel processing units 110 to 130 and resource information and inserts the generated local feedback information into radio signals to be transmitted on channels used for transmission. In addition, a MAC unit 20 determines
15 transmission systems and transmission speeds of respective channels based on respective pieces of local feedback information inserted by a partner radio communication apparatus, and transmission channel processing units 410 to 430 transmit the respective radio signals based on the determined transmission systems and transmission speeds.

20 [Selected Figure] FIG. 2